

TUBB1 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2025a**Specification****TUBB1 Antibody - Product Information**

Application	WB, IHC, FC, ICC, E
Primary Accession	Q9H4B7
Reactivity	Human, Mouse, Rat, Monkey
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	50.3kDa KDa

Description

This gene encodes a member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is specifically expressed in platelets and megakaryocytes and may be involved in proplatelet production and platelet release. A mutations in this gene is associated with autosomal dominant macrothrombocytopenia. Two pseudogenes of this gene are found on chromosome Y.

Immunogen

Purified recombinant fragment of human TUBB1 (AA: 33-166) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

TUBB1 Antibody - Additional Information

Gene ID 81027

Other Names

Tubulin beta-1 chain, TUBB1

Dilution

WB~~1/500 - 1/2000

IHC~~1/200 - 1/1000

FC~~1/200 - 1/400

ICC~~N/A

E~~1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TUBB1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TUBB1 Antibody - Protein Information

Name TUBB1**Function**

Tubulin is the major constituent of microtubules, a cylinder consisting of laterally associated linear protofilaments composed of alpha- and beta-tubulin heterodimers. Microtubules grow by the addition of GTP-tubulin dimers to the microtubule end, where a stabilizing cap forms. Below the cap, tubulin dimers are in GDP-bound state, owing to GTPase activity of alpha-tubulin.

Cellular Location

Cytoplasm, cytoskeleton

Tissue Location

Hematopoietic cell-specific. Major isotype in leukocytes, where it represents 50% of all beta-tubulins

TUBB1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)